PATENT COOPERATION TREATY

To:

BERYL YAK
Associate
RAJAH & TANN
4 Battery Road
#26-01 Bank of China Building
Singapore 049908

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing *(day/month/year)*	17 October 2005 (17.10.2005)
Applicant's or agent's file reference: 270776/1	FOR FURTHER ACTION: See paragraph 2 below
International application No.: PCT/SG 2005/000011	International filing date *(day/month/year)*: 18 January 2005 (18.01.2005)
	Priority Date *(day/month/year)*: 19 January 2004 (19.01.2004)
International Patent Classification (IPC) or both national classification and IPC: H04L 29/10, G06F 13/12	
Applicant: NADARAJAH SRISKANTHAN	

1. This opinion contains indications relating to the following items:

- [x] Cont. No. I — Basis of the opinion
- [ ] Cont. No. II — Priority
- [ ] Cont. No. III — Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- [ ] Cont. No. IV — Lack of unity of invention
- [x] Cont. No. V — Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- [ ] Cont. No. VI — Certain documents cited
- [ ] Cont. No. VII — Certain defects in the international application
- [ ] Cont. No. VIII — Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ AT **Austrian Patent Office** Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535	Authorized officer MESA PASCASIO J. Telephone No. +43 / 1 / 534 24 / 327

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/SG 2005/000011

Continuation No. I

Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed.

Continuation No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims **----**	**YES**
	Claims **1-39**	**NO**
Inventive step (IS)	Claims **----**	**YES**
	Claims **1-39**	**NO**
Industrial applicability (IA)	Claims **1-39**	**YES**
	Claims **----**	**NO**

2. Citations and explanations:

The cited documents of the search report are:

D1: WO 1997/026762 A1
D2: US 6 008 777 A
D3: US 2003/0143985 A1

Document D1 relates to an adaptor card for a personal computer that enables the PC to receive a signal from a satellite communication network. A connector receives signals from the satellite network and is connected to a tuner which selected a single signal for reception. A demodulator is connected to the tuner and converts the selected signal from the tuner into a digital data stream. A bus interface connects the adaptor and the personal computer that allows the digital data stream, a demodulator status and a tuner status to be transmitted from the adaptor card to the computer.

Document D2 relates to a method and an apparatus for remotely interacting with a PC. In one embodiment, a local PC interface unit is coupled to a PC located at a local site. The local PC interface unit is coupled to receive a video output signal and an audio output signal from the PC. The local input devices, such as the keyboard and the mouse, as well as the peripherals such as the monitor and speakers of the PC are also coupled to the local PC interface unit. The local PC interface unit converts the video and audio signals generated by the PC into a format suitable for playback on an ordinary home TV. The local PC device then transmits the

converted audio/video signal via an RF wireless link to a TV interface unit, which is coupled to a TV for playback at a remote site. The TV interface unit also generates a separate audio signal suitable for being listened to from an ordinary home stereo. Remote input devices, such as a keyboard, mouse, trackball, joystick, or a game controller are coupled to a remote input device interface unit which may be located in the same room as the TV and home stereo. The remote input device interface unit receives remote input signals from each one of the remote input devices and multiplexes the remote input signals into a single remote input data stream. The remote input data stream is transmitted back to the local PC interface unit through a wireless link to enable interaction with the PC from the remote location.

Document D3 relates to a method, apparatus and system for transmitting moving image data, in which various moving image data of existent media files are efficiently delivered to existent TV cellular phones in reproducible format. A media file storage stores media files created in arbitrary format for filing moving images. A storage stores codec information on voice/image data and the media files as intermediate formatted data. A media file controller multiplexes the intermediate formatted data to generate a bit stream of voice/image data based on the codec information on the voice/image data. The interface converter transmits the bit stream of voice/image data to a TV cellular phone.

The present application provides an interface for interfacing a digital device (unit) for transmitting and/or receiving a digital stream to a computer, the interface comprising: a digital stream transmitter/receiver for transmitting digitally streamed content and/or receiving digitally streamed content to/from the digital device; a computer bus interface for receiving/providing data to/from a computer bus of a computer for use by the computer and/or as provided by the computer; and a data converter for converting data received by the digital stream receiver into data useable by the computer when provided to the computer bus and/or for converting data received by the computer bus interface into digitally streamed data for transmission by the digital stream transmitter.

All of the cited documents, D1 to D3, include interface devices for converting an incoming data stream to an outgoing stream of a suitable format with respect to the connected devices. These data streams comprise digital data anyway, even though for the complete application a digital-to-analogue converter (or vice versa) may be needed. Therefore, these features are the same as provided in the present application.

Accordingly, all claims 1 to 39 are neither new nor do they include an inventive step.

Industrial applicability is given.
